

INTERNATIONAL APPLICATION PCT /ES 02 /00459.-

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Title of the invention: FLEXIBLE,ANTI-SKID FLOOR COMPRISING WOOD AND RUBBER.-

DOCUMENT : NEW CLAIMS, AS AMMENDED AS PER ARTICLE 19.- TRANSLATED INTO ENGLISH.-  
Claim N° 1

The invention is a composite floor made of wood and rubber,in which a solid wood panel is glued to flexible rubber plate.-After the glue is set,by using machinery,slots are made in the lenght and the width of the wooden panel.-The depth of the slots goes from the top of the wood panel, to its bottom, leaving an empty space between the several square blocks which become after panel is slotted.--The rubber is not slotted, and remains of the same original thickness.-

Claim N° 2

The slots so made as per Claim N° 1 ,divide the wood plate in several small wooden blocks ,firmly glued to the rubber base plate.-These wooden blocks can have various shapes : rectangular, rhomboidal,square,with curved forms.-

Claim N° 3

The slots so made have a wedged shape.-The wider side of the wedge is in the upper side of the slot.-The end of the wedge,or apex,is at the glued face of the wood block.-The apex of the slot is an arrow like,but has a certain width,which is the same of the visible rubber width.-These visible rubber width acts as a hinge because there is an empty space between any two sides of the wooden blocks.- If the tyle so formed is to be folded to a roll form,it can be done in two opposite sences,that is with the wooden plates looking inside or outside the roll.-

Claim N° 4

The roll so formed as per Claim N° 3,can be unfolded,and used to pave any surface,which could be flat or curved in a convex or concave shape,then continuing on a slopped surface,then on a vertical surface.- All these surfaces can be flat,convex or concave.-In example,it could be applied over spherical surfaces if the size of the slots are encreased,and the size of the wooden blocks decreased,while been machined.-

Claim N° 5

The rubber plate base of the tyles,has by its bottom side,a great amount of very thin and narrow rubber edges protruding from the rubber,against the sub-floor surface.-The own weight of the tyle plus,the weight of any object lying on the top of the tyle,and the proper of the walkers ,will compress the edges,and encrease the anti-skid property of the floor.-

Claim N° 6

As there is a void in between wooden blocks,due to the machined slots,it forms a split surface, which is higly anti-skid.-When used outdoor,the weather conditions,like rain,will not change its property.-

Claim N° 7

The composite wood and rubber floor can be made tyle form, or rolls.-In any case,it can be removed after mounting,because does not require to be glued to the sub-floor.-

Claim N° 8

If there are protruding elements in the sub-floor where the invention is to be mounted,with a sharp knife,wooden blocks can easily be removed,by cutting the rubber in the choosen slots.-Nevertheless,de rubber will not rip afterwards.-